

Amendments to the Claims:

Please cancel claims 1 to 4 as presented in the underlying International Application No. PCT/EP2004/009946 without prejudice.

Please add the following new claims as indicated in the listing of claims below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 4 (canceled).

Claim 5 (new): A machining system for cutting cylinder heads comprising:
 a plurality of machining stations, the cylinder heads to be machined being
 machined in different orientations in the plurality of machining stations;
 the cylinder heads to be machined being fed sequentially to the machining
 stations;
 at least one of the machining stations including a plurality of identical
 machine tools;
 each machine tool including a plurality of tool spindles, at least some of
 the tool spindles being equipped permanently with a tool; and
 the at least some of the tool spindles being arranged in a working space of
 the machine tool so that the machine tools fastened on them come into
 engagement simultaneously on the cylinder head.

Claim 6 (new): The machining system as claimed in claim 5 wherein the machine tools of
different machining stations are identical in respect of their basic construction, but differ from
one another in respect of the number and/or arrangement and/or dimensioning of the tool
spindles contained in them.

Claim 7 (new): The machining system as claimed in claim 5 wherein the tool spindles are

fixed immoveably in the machine tools, so that all the relative movements of the cylinder head in respect of the tools are effected with the aid of a clamping device.

Claim 8 (new): The machining system as claimed in claim 5 wherein the machine is a motor vehicle cylinder head cutting machine.